



IPF

Attorney Docket N^o SenT-100A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

K. G. Ong, Ph.D. & C. A. Grimes, Ph.D

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)
) Exr: <Michael Horabik>

Serial No.: 10/622,244

Confirm No. 3268

)
) Art Unit: 2635

Filed: 18 July 2003

For: Network of sensor nodes assemblies and method of remote
sensing within liquid environment

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Mail Stop IDS & 1449
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Sir:

Transmitted herewith, in connection with the above matter <~~no on-line IDS submitted concurrently~~>:

- ✓ An Information Disclosure Statement and Certification (2 pgs);
- ✓ Form PTO 1449 identifying references forwarded by applicants (1 pg);
- ✓ Copies, if required MPEP §609 III., of references listed on the enclosed Form PTO 1449.
- ✓ Return post card—please return as customary.

While it is believed no charge is due, please charge any additional fees or credit any overpayments in connection with this paper to Deposit Acct. N^o 02-0725, **Macheledt Bales LLP**.

Respectfully submitted this 30th day of August 2005,

Jean M. Macheledt
Macheledt Bales & Heidmiller LLP
Attorney for Assignee/Applicant(s)
Registration N^o 33,956

I hereby certify that this correspondence is being deposited with the US Postal Service under 37 CFR 1.8 with sufficient postage as US 1st class or 2nd-day Priority mail in an envelope addressed to:
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Jean M Macheledt
Printed Name

Signature



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INFORMATION DISCLOSURE STATEMENT and CERTIFICATION

Sir:

Pursuant to 37 C.F.R. §§ 1.51(b), 1.56, 1.97 and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A list of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449; these references have been forwarded by applicants. In the event any of the items listed on Form PTO 1449 have no specific month and/or date of publication identified: it is believed that the particular month and/or date of publication of these items is not of particular significance at this point in time; and by including these items herewith applicants do not, in any way, suggest that any of them bear a particular publication date that precedes the instant invention date. A copy of each non-U.S./foreign patent document, or each publication or portion thereof listed or herein identified, is being submitted herewith, *except that* a copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. §§ 119 & 120, and hard copies of each U.S. patent and U.S. published patent app.¹ listed, are not being submitted herewith.

¹ See, MPEP § 609 III. A(2) **Legible Copies**. "...with the exception that copies of such U.S. patent documents [published U.S. patent apps. and U.S. patents] are not required if the IDS is electronically submitted via EFS or the IDS is filed in an application filed after June 30, 2003 or entered the national stage under 35 U.S.C. 371 after June 30, 2003 ..."

CERTIFICATION

_____ This Information Disclosure Statement is submitted within three months of (i) the filing date of the above-identified U.S. National Patent application, or (ii) the date of entry into the U.S. National Stage of the above-identified International Application, or (iii) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies.

X This Information Disclosure Statement, and any associated *on-line* e-IDS, is being submitted *prior to the receipt* of the first Office Action *on the merits*² received by applicant(s) in the above-identified application.

_____ This Information Disclosure Statement is submitted after three months from (i) the filing date of the above-identified U.S. National Patent application, or (ii) after three months from entry into the U.S. National Stage of the above-identified International Application, or (iii) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies; and after the mailing date of the first Office Action on the merits of the above-identified application, but prior to issuance of the earlier of any Final Action or Notice of Allowance sent in such application. The certification under 37 C.F.R. § 1.97(e) is submitted separately or below, or the fee required under 37 C.F.R. § 1.97(c) and § 1.17(p) is submitted herewith.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

While it is believed no charge is due, please charge any additional fees or credit any overpayments in connection with this paper to Deposit Acct. N^o **02-0725, Macheledt Bales LLP**.

Respectfully submitted this 30th day of August 2005,

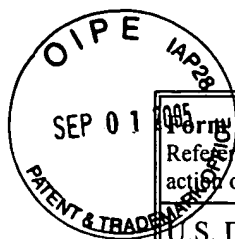

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Registration N^o 33,956

² See, MPEP § 609 III. B(1)(a), Likewise, an information disclosure statement will be considered if it is filed later than 3 months after the application filing date but before the mailing date of a first Office action on the merits. An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims rather than just a restriction requirement . . . or just a requirement for additional fees to have a claim considered . . .



Form PTO 1449 Reference Documents submitted prior to action on merits: dated 29-Aug-2005	ATTY. DOCKET NUMBER: SenT-100A	APPLICATION / SERIAL NUMBER: 10/622,244
U.S. Department of Commerce Patent and Trademark Office	APPLICANT(S): K. G. Ong, Ph.D. and C. A. Grimes, Ph.D.	
Information Disclosure Statement of both US & non-US patent refs	FILING DATE: 18 July 2003 {PROV. APP. FILED: 18 July 2002 }	GROUP ART UNIT: 2635

U.S. Patent Documents (listing submitted on-line: <none>)

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	6,393,921 B1	28-May-02	C.A. Grimes, et al.	73	728	
	6,397,661 B1	04-June-02	C.A. Grimes, et al.	73	24.06	
	6,896,412	20-Apr-99	Levanon, et al.	375	202	

Other Documents—listed for reference, a copy of each item listed is enclosed.**

EXAMINER INITIAL	DOCUMENT DETAILS
	Reindl <i>et al.</i> "Theory and Application of Passive SAW Radio Transponders as Sensors," <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , vol. 45, no. 5, (Sept 1998); {labeled "ATTACHMENT B" of provisional app. filed 18-Jul-02}
	Frye <i>et al.</i> "Optimizing Surface Acoustic Wave Sensors for Trace Chemical Detection," <i>IEEE International Conference on Solid-state Sensors and Actuators</i> , (1997) 1323-1326 {labeled "ATTACHMENT C" of provisional app. filed 18-Jul-02}
	Grimes, C.A., K.G. Ong, <i>et al.</i> "Magnetoelastic sensors for remote query environmental monitoring," <i>Journal of Smart Materials and Structures</i> , vol. 8 (1999) 639-646; {labeled "ATTACHMENT D" of provisional app. filed 18-Jul-02}
	Jain, M.K., C. A. Grimes, "A Wireless Magnetoelastic Micro-Sensor Array for Simultaneous Measurement of Temperature and Pressure," <i>IEEE Transactions on Magnetics</i> , vol. 37, No. 4, pp. 2022-2024, 2001; {labeled "ATTACHMENT E" of provisional app. filed 18-Jul-02}
	M. Rodriguez, Jr. et al., "Biosensors for rapid monitoring of primary-source drinking water using naturally occurring photosynthesis," <i>Biosensors and Bioelectronics</i> , 17 (2002) 843 – 849.
	"Streams Harbor Chemical Potpourri," <i>Science</i> , vol. 295, pg. 2209, 22 March 2002
	Portions of Ch. 5 "Modulation and Amplitude-Modulated Systems, <i>et al.</i> " Ch. 11 "Pulse and Digital Modulation, <i>et al.</i> " Ch. 13 "Data Communication Techniques, <i>et al.</i> " and Ch. 17 "Digital Radio and Space Communication, <i>et al.</i> " 3 rd Ed., Paul H. Young, Macmillan Pub. Co., earlier versions 1985, 1990, 3 rd Ed. 1994.
Examiner:	Date Considered:
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	